COMBINED	DECLARA	TION FOR PA	TENT APPLICA	ATION AND PO	VER OF ATTORNEY

ATTORNEY'S DOCKET NUMBER

LUD 5298

(Includes Reference to PCT International Applications)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ACTIVIN RECEPTOR-LIKE KINASES, PROTEINS HAVING SERINE

THREONINE KINASE DOMAINS AND THEIR USE

the specification of which (check only one item below):

is attached hereto.

was filed as United States application

Serial No. 08/436,265

May 16, 1995

and was amended

on ______ (if applicable).

was filed as PCT international application

Number PCT/GB93/02367

on <u>November 17. 1993</u>

and was amended under PCT Article 19

on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowlege the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35. United States Code. §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY of PCT indicate PCT is	APPLICATION NUMBER	DATE OF FILING Iday, month, years	PRIORITY CLAIMED UNDER 35 USC 119	
GB	9224057.1	17 November 1992	₹ YES	□ 10 0
GB	9304677.9	8 March 1993	₩ YES	□ №
GB	9304680.3	8 March 1993	Ģ₹¥ES	□ ×0
GB	9311047.6	28 May 1993	⊠ YES	□ ∞
GB_	9313763.6	2 July 1993	Ş₹ YES	□ ~~○
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3 August 1993

(January 1991)

Annex US.III, page 2

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Combined Declaration For Patent Application and Power of Attorney (Continued) ATTORNEY'S DOCKET NUMBER (Includes Reference to PCT International Applications) T.UD 5298 I hereby claim the benefit under Title 35. United States Code, \$120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35. United States Code, §112, I acknowlege the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application: PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120: U.S APPLICATIONS STATUS (Check one) U.S. APPLICATION MARBER US FRINGDATE PATENTED PENDING ABANDONED PCT APPLICATIONS DESIGNATING THE U.S PCT APPLICATION NO PCT FRING DATE PCT/GB93/02367 Nov. 17, 1993 POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number) Peter F. Felfe (20,297); John E. Lynch (20,940); Alfred H. Hemingway, Jr. (26,736); Vincent M. Fazzari (26,879); Norman D. Hanson (30,946); F. Brice Faller (29,532); Andrew L. Tiajoloff Send Correspondence to: (31,575); John A. Bauer (32,554); Direct Telephone Calls to: and Patricia A. Pasqualini (34,894). *FELFE & LYNCH (212) 688-9200 805 Third Avenue, New York, New York 10022 AMILY NAME FIRST GIVEN NAME SECOND GIVEN NAME FULL NAME OF INVENTOR Kohei Mivazono STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSHIP
SWEGEN RESIDENCE & ຣົ Sweden Uppsala OST OFFICE ADDRESS Sweden 75ž2 POST OFFICE ADDRESS 63, Uppsala Flogstavagen 63D, Peter SECOND GIVEN NAME FULL NAME OF INVENTOR ten Dijke TATE OR FOREIGN COUNTRY Sweden COUNTRY OF CITIZENSHIP Uppsala 202 RESIDENCE & CITIZENSHIP TATE & ZP CODE/COUNTRY Sweden POST OFFICE ADDRESS 752 Flogstavagen 25C, S-63, Uppsala FAMILY NAME FIRST GIVEN NAME SECOND GIVEN NAME FULL NAME OF INVENTOR Petra Franzen STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSHIP RESIDENCE & Uppsala Sweden Sweden

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

~S-752 40, Uppsala

PTG 1391 MEV 10 831	Page 2.012	U.S. DEPARTMENT OF COMMERCE-Parent and Trademark Office
DATE -	October 16, 1905	October 16, 1995
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SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203

POST OFFICE ADDRESS

Lindsbergsgatan 15b

Sweden

Combined Declaration For Patent Application and Power of Attorney (Continued)	ATTOMEY'S DOCKET NUMBER
(includes Reference to PCT International Applications)	LUD 5298

I hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, \$112, I acknowlege the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

	STATUS (Check one)				
U.S. APPLICATION NUMBER		U.S. FRING DATE	PATENTED	PENDING	ABANDONED
PCT A	PPLICATIONS DESIGNATING THE	U S			
PCT APPLICATION NO	PCT FILING DATE	U S SERIAL NUMBERS ASSIGNED HI ANY!			
PCT/GB93/02367	Nov. 17, 1993			x	
					-

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number) Peter F. Felfe (20, 297); John E. Lynch (20, 940); Alfred

- H. Hemingway, Jr. (26,736); Vincent M. Fazzari (26,879); Norman
- D. Hanson (30,946); F. Brice Faller (29,532); Andrew L. Tiajolo#f

Send Correspondence to: (31,575); John A. Bauer (32,554); and Patricia A. Pasqualini (34,894).

Direct Telephone Calls to:

*FELFE & LYNCH

New York, New York 10022 Whird Avenue

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'	805 Th	ird Avenue, New 101k	, Hew Tolk Loon	
	FULL NAME OF INVENTOR	Yamashita	FIRST GIVEN NAME Hidetoshi	SECOND GIVEN NAME
201	RESIDENCE & CITIZENSHIP	Uppsala	STATE ON FOREIGN COUNTRY SWEDEN	Sweden
	POST OFFICE ADDRESS	Flogstavagen 33A, S		Sweden
П	FULL NAME OF SEVENTOR	Heldin	Carl-Henrik	SECONO GIVEN MAME
202	RESIDENCE &	Üppsala	TATE OFF ORE ON COUNTRY	Sweden
	POST OFFICE ADDRESS	Hesselmans vag 35	S-752 63, Uppsala	Sweden
	FULL NAME OF INVENTOR	FAMLY NAME	FIRST GIVEN NAME	SECONO GIVEN NAME
203	RESIDENCE &	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF WIVENTORADE	SIGNATURE OF INVENTOR 203
DATE	October 16, 1995	DATE

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COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY	ATTON	EY'S DOCKET NUMBER
(Includes Reference to PCT International Applications)	_	5298
	·····	

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THREONINE KINASE DOMAINS AND THEIR USE

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ACTIVIN RECEPTOR-LIKE KINASES, PROTEINS HAVING SERINE

the specification of which (check only one item below):	
is attached hereto.	
was filed as United States application	_

Serial No. 08/436,265
May 16, 1995

n ______

and was amended

on _____ (if applicable).

Swas filed as PCT international application

Number PCT/GB93/02367

on _____November 17, 1993

and was amended under PCT Article 19

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PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY SI PCT MOCSIE PCT 3	APPLICATION NUMBER	OATE OF FILMIG Iday, month, years	PRIORITY UNGER 3	CLAIMED SUSC 119
GB	9224057.1	17 November 1992	Ø yES	□ ~ 0
GB	9304677.9	8 March 1993	₹ 7€5	□~
GB_	9304680.3	8 March 1993	<u>ज</u> िरध	□ №
GB	9311047.6	28 May 1993	12 YES	□ №
GB_	9313763.6	2 July 1993	₩ ves	□~

GB 9136099.2 3 August 1993 X Yes 1991)

GB 9321344.5 15 October 1993 X 2 1991)

Annex US.111, page 2

Combined Declaration For Patent Application and Power of Attorney (Continued) Includes Reference to PCT International Applications) TIUD 5298

I hereby claim the benefit under Title 35. United States Code. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code. §112, I acknowlege the duty to disclose material information as defined in Title 37, Code of Federal Regulations. §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

	STATUS (Check one)					
U.S. APPLICATION NUMBER			U.S. FRINGDATE		PENDING	ABANDONED
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PCT A	PPLICATIONS C	DESIGNATING THE L	J.S			
PCT APPLICATION NO	PCT /ALI	NG DATE	U.S. SERIAL NUMBERS ASSIGNED IF ANY!			
PCT/GB93/02367	Nov. 1	7, 1993				

power of ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number) Peter F. Felfe (20,297); John E. Lynch (20,940); Alfred H. Hemingway, Jr. (26,736); Vincent M. Fazzari (26,879); Norman D. Hanson (30,946); F. Brice Faller (29,532); Andrew L. Tiajoloff

Send Correspondence to: (31,575); John A. Bauer (32,554);
and Patricia A. Pasqualini (34,894).

*FELFE & LYNCH

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1		,		
П	FULL NAME OF INVENTOR	FAMILY HAME ONOSSYIM	firs- Given name Kohei	SECONO GIVEN NAME
202	CITIZENSHIP	Uppsala	Sweden	COUNTRY OF CITIZENSMP Sweden
	POST OFFICE ADDRESS	rost office Adoress Flogstavagen 63D, S-	752 63, Uppsala	STATE & ZIRCOOE/COUNTRY SWECIEN
	FULL MAME OF INVENTOR	ten Dijke	Peter Peter	second given name
202	RESIDENCE &	Üppsala	TATE OR FOREIGN COUNTRY SWEDEN	COUNTRY OF CITIZENSHIP Sweden
	POST OFFICE ADDRESS	Flogstavagen 25C, S-	752 63, Uppsala	STATE & ZIP CODE/COUNTRY SWEDEN
	FULL NAME	FAMILY NAME	FIRST GIVEN NAME	SECONO GIVEN NAME
1	OF INVENTOR	Franzen	Petra	
203	RESIDENCE &	Uppsala	STATE OR FOREIGN COUNTRY SWEDEN	Sweden
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Lindsbergsgatan 15b	S-752 40, Uppsala	STATE & ZIE CODE: COUNTRY Sweden

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
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DATE	3140	4.**
Det 16, 1995		•
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Combined Declaration For Patent Application and Power of Attorney (Continued) Includes Reference to PCT International Applications)				LUD 5	298				
	internati subject : manner material	onal applicati matter of eac provided by t information	on(s) designating the h of the claims of thi he first paragraph of as defined in Title 37	United s appli Title 3 . Code	States Code, §120 of any of States of America that is, ication is not disclosed in the States Code, §11 of Federal Regulations, § and or PCT international filing	are liste hat/those 2, I ackr 1.56(a) v	d below prior a nowlege t which oc	and, insofar a pplication(s) is the duty to discurred between	is the n the sclose
	PRIOR L 35 U.S.C				IAL APPLICATIONS DESIGNA	TING TH			
			U.S APPLICATIONS			 		ATUS (Check one	·)
_	US 4	APPLICATION NUMBE	R		U.S. FRING DATE	PATENTED PENONG		PENONG	ABANDONED
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		PCT A	PPUCATIONS DESIGNAT	ing th	KE U.S				
		PCT FLING DATE		us serial numbers assigned in any					
		Nov. 17, 1	993				x		
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	this application number 1	plication and tr mberl Peter	ansact all business in the F. Felfe (10 Pate 20 , 736	hereby appoint the following ent and Trademark Office com 297); John E. I); Vincent M. I ice Faller (29	ected the ynch fazza	erewith./ . (20 .ri ()	ust name and 1 ,940); I 26.879);	Alfred Norman
* T	and Larar	Patric T.YNCH	ia A. Pasqua	lin	Bauer (32,554) ii (34,894). New York 10022		iname and s	elephone Calls to	
	OF WVENTOR	Uppsala Sweden Sweden							
2	RESIDENCE & CITIZENSHIP			s	Sweden		Sweden		
	POST OFFICE ADDRESS	Flogst	avagen 33A,	s+7	52 63, Uppsa.	la			
	FULL NAME OF INVENTOR	Heldin		\C	arl-Henrik		SECOND GIV		
202	RESIDENCE L CITIZENSHIP	Üppsal	a	Š	ATE OF CONTRY		Swed		
	POST OFFICE ADDRESS	Hessel	mans vag 35	9	3-752 63, Uppsa	la	Swed	en	
_	FULL NAME OF INVENTOR	FAMILY NAME		FIA	nst given name		SECOND GI		
4	Meneror a	10.75		157	TATE OR FOREIGN COUNTRY		COUNTRY	OF CITIZENSHIP	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
Hiletoshi Tamashita		
DATE ON A	DATE	DATE
Oct. 16, 1995		

PTO 1391 MEV 10 834

RESIDENCE &

POST OFFICE ADDRESS POST OFFICE ADDRESS

Page 2 of 2

U.S. DEPARTMENT OF COMMERCE Patent and Tracemers Office

STATE & ZIP CODE/COUNTRY

(1) GENERAL INFORMATION:

- (i) APPLICANTS: Miyazono, Kohei; Dijke, Peter Ten; Franzen, Petra; Yamashita, Hidetoshi; Heldin, Carl-Henrik
- (ii) TITLE OF INVENTION: Activin Receptor-Like Kinase, Proteins Having Serine Threonine Kinase Domains And Their Use
- (iii) NUMBER OF SEQUENCES: 29
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Felfe & Lynch
 - (B) STREET: 805 Third Avenue
 - (C) CITY: New York City
 - (D) STATE: New York
 - (F) ZIP: 10022
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage
 - (B) COMPUTER: IBM
 - (C) OPERATING SYSTEM: PC-DOS
 - (D) SOFTWARE: Wordperfect
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/436,265
 - (B) FILING DATE: 30-October-1995
 - (C) CLASSIFICATION: 514
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: PCT/GB93/02367
 - (B) FILING DATE: 17-November-1993
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 9224057.1
 - (B) FILING DATE: 17-November-1992
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 9304677.9
 - (B) FILING DATE: 8-March-1993
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 9304680.3
 - (B) FILING DATE: 8-March-1993
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 9311047.6
 - (B) FILING DATE: 28-May-1993
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: 9313763.6
 - (B) FILING DATE: 2-July-1993

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